

**SERVICE MANUAL  
DOCUMENTATION TECHNIQUE  
TECHNISCHE DOKUMENTATION  
DOCUMENTAZIONE TECNICA  
DOCUMENTACION TECNICA**

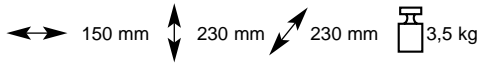


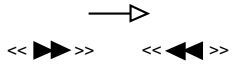
**THOMSON** **AM 1280  
AM 1285**

Version (PC\*): A

\*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - il codice della versione è indicato nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



**Technical data - Caractéristiques principales  
Technische Daten - Dati tecnici - Características del aparato**

<b>Type of set :</b> Cassette radio recorder / compact disc <b>Type d'appareil :</b> Combiné radio cassette / CD <b>Geräteart :</b> CD-Radio Cassetten Portable <b>Tipo d'apparecchio :</b> Insieme radio cassette / CD <b>Tipo de aparato :</b> Radio cassette / CD			
<b>Power supply :</b> <b>Alimentation :</b> 230 V ~ <b>Stromversorgung :</b> <b>Alimentazione :</b> <b>Alimentación :</b>		<b>Nominal output power :</b> <b>Puissance nominale de sortie :</b> <b>Nennausgangsleistung :</b> 2 x 12 W (Rms) <b>potenza nominale di uscita :</b> 2 x 30 W (Music.) <b>Potencia nominal de salida :</b>	
	<b>FM - MF :</b> 87,5 - 108 MHz <b>MW - PO :</b> 522 - 1620 kHz <b>LW - GO :</b> 150 - 283 kHz	<b>Sensitivity :</b> <b>Sensibilité :</b> <b>FM - MF :</b> 8 µV (S/N = 30 dB) <b>Empfindlichkeit :</b> <b>MW - PO :</b> 1000 µV/m (S/N = 20 dB) <b>Sensibilità :</b> <b>LW - GO :</b> 2500 µV/m (S/N = 20 dB) <b>Sensibilidad :</b>	
	<b>Frequency response :</b> <b>Courbe de réponse :</b> 125 Hz - 6,3 kHz <b>Frequenzgang :</b> (+5 / - 5 dB) <b>Curva di risposta :</b> <b>Curva de respuesta :</b>	<b>Signal to noise ratio :</b> <b>Rapport signal / bruit :</b> <b>Geräuschspannungsabstand :</b> 42 dB <b>Rapporto segnale / disturbo :</b> <b>Relación señal / ruido :</b>	
	<b>Wow and flutter :</b> <b>Fluctuations :</b> 0,35 % <b>Gleichlauf :</b> <b>Fluttuazioni :</b> <b>Fluctuaciones :</b>		
	<b>Disc rotation speed :</b> <b>Vitesse de rotation du disque :</b> <b>CD-Drehgeschwindigkeit :</b> 200 → 500 tr/m <b>Velocità di rotazione del disco :</b> <b>Velocidad de rotación del disco :</b>	<b>Frequency response :</b> <b>Courbe de réponse :</b> 100 Hz - 16kHz <b>Frequenzgang :</b> (-4/+2 dB) <b>Curva di risposta :</b> <b>Curva de respuesta :</b>	
<b>DAD</b>	<b>Stereo separation :</b> <b>Diaphonie :</b> 45 dB <b>Übersprechdämpfung :</b> <b>Diaphonia :</b> <b>Diafonia :</b>	<b>Signal to noise ratio :</b> <b>Rapport signal / bruit :</b> <b>Geräuschspannungsabstand :</b> 54 dB <b>Rapporto segnale / disturbo :</b> <b>Relación señal / ruido :</b>	



**WARNING :** Before servicing this chassis read the safety recommendations.  
**ATTENTION :** Avant toute intervention sur ce châssis, lire les recommandations de sécurité.  
**ACHTUNG :** Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.  
**ATTENZIONE :** Prima di intervenire sullo chassis, leggere le norme di sicurezza.  
**IMPORTANTE :** Antes de cualquier intervención, leer las recomendaciones de seguridad.

**Code : 355 857 20 - 1002 / 3,7M - CRKD2102 Print.**



CLASS 1 LASER PRODUCT  
APPAREIL A LASER DE CLASSE 1  
LASER KLASSE 1  
APPARECCHIO CON LASER DI CLASSE 1  
APARATO CON LASER DE CLASE 1

**DANGER :**

Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

**ATTENTION :**

Le rayon laser est invisible. Eviter l'exposition directe lors de la maintenance.

**VORSICHT BEI REPARATUREN :**

Bei geöffneter Schublade und Defekt der Sicherheitsvorrichtungen besteht die Gefahr unsichtbaren Laserlichts. Niemals direkt in den Laserstrahl sehen.

**ATTENZIONE :**

Il raggio laser è invisibile. Evitare l'esposizione diretta durante la manutenzione.

**IMPORTANTE :**

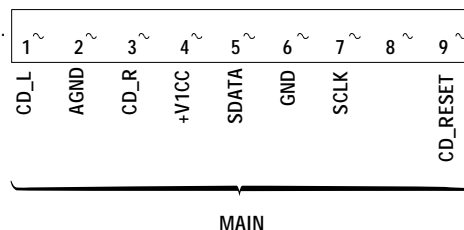
El rayo laser es invisible. Evitar la exposición directa en el momento del mantenimiento.

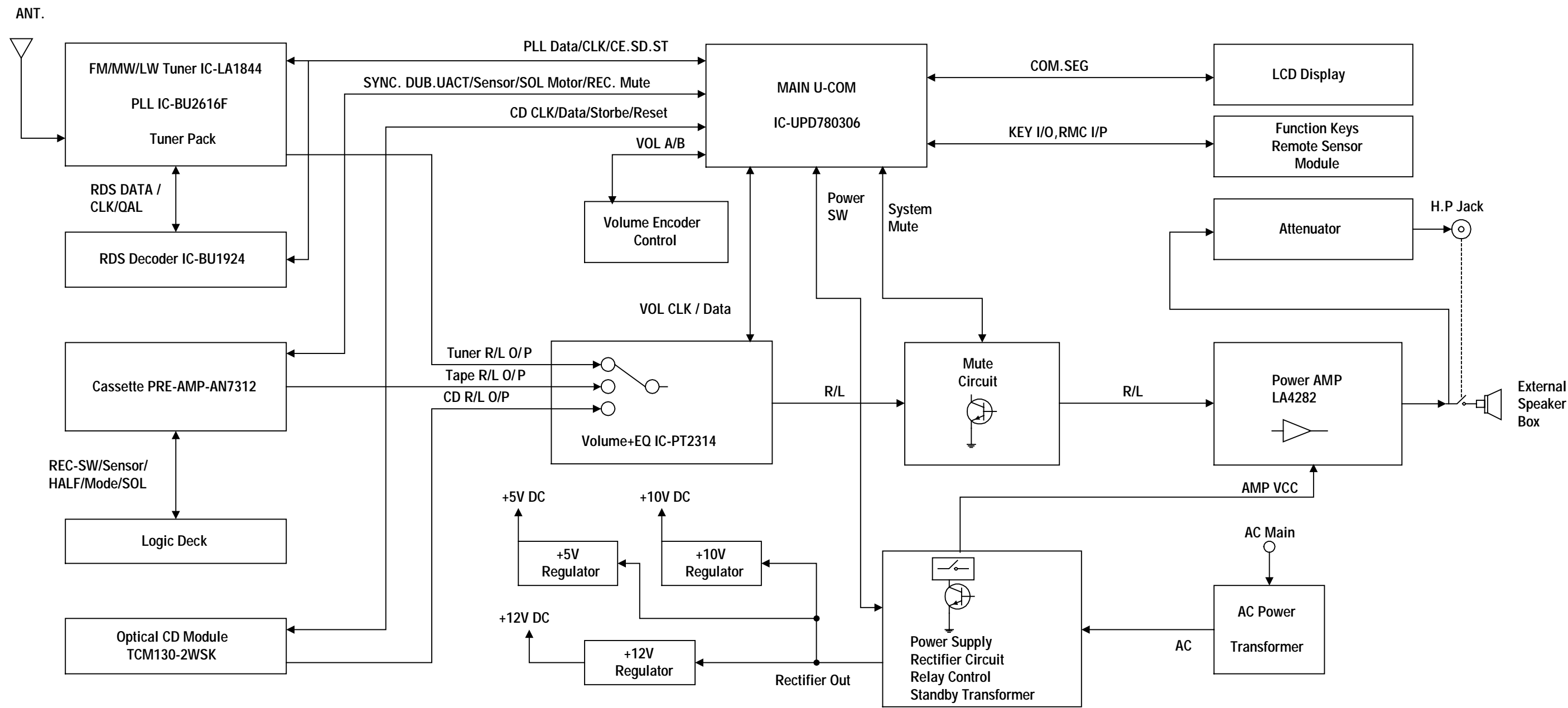
**DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL -  
SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE -  
ESQUEMA DEL TRATAMIENTO DIGITAL**

The complete Digital Processing Module is available from A.S.S. under Part Number :  
En SAV, l'ensemble du module traitement digital est géré sous le code :  
Die Service Bestell-Nr. für das Modul "Digital Processing kompl." ist :  
Il codice del modulo completo di elaborazione digitale è :  
En postventa, el modulo completo tratamiento digital lleva el código :

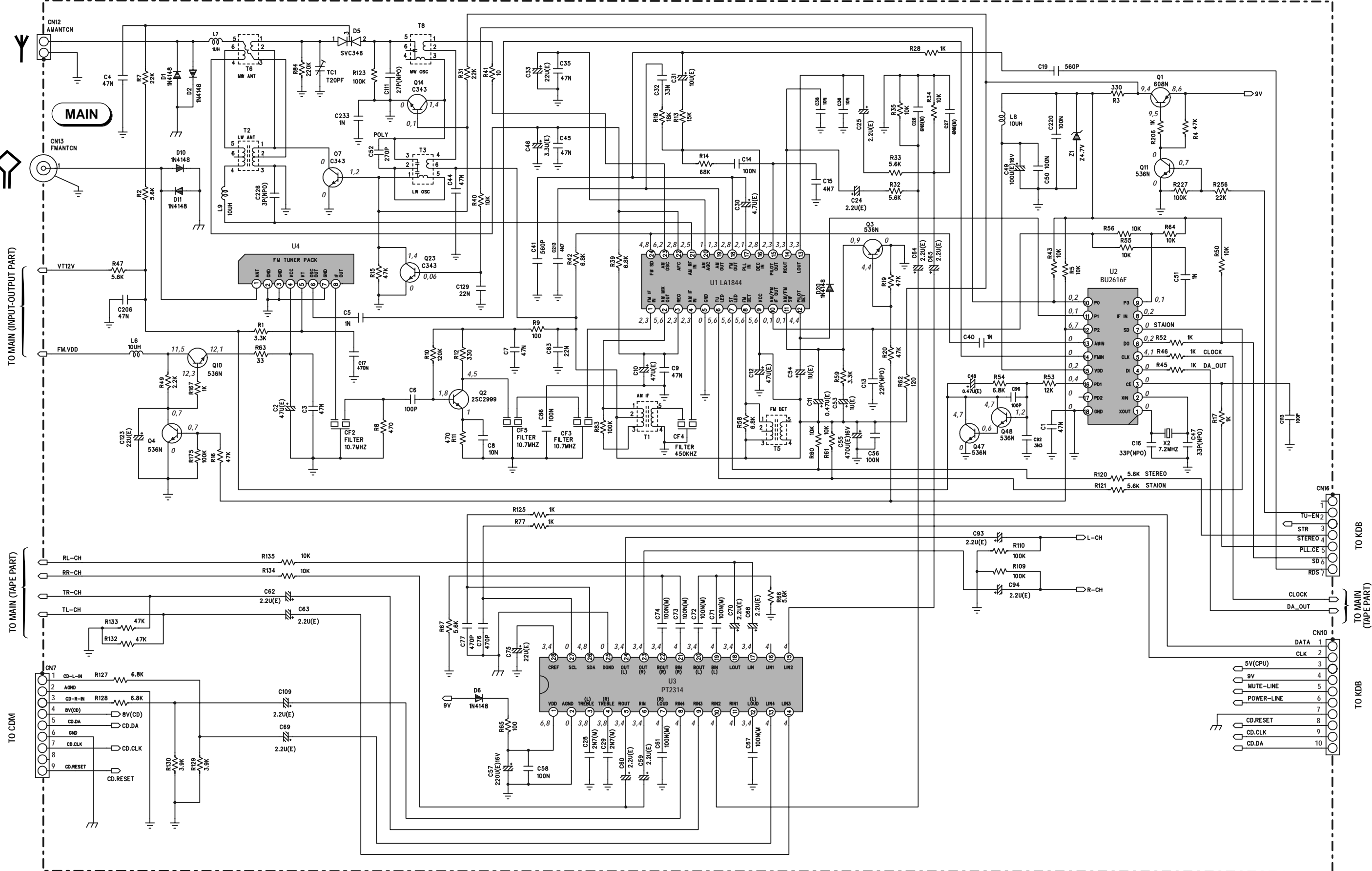
107 284 40

P005

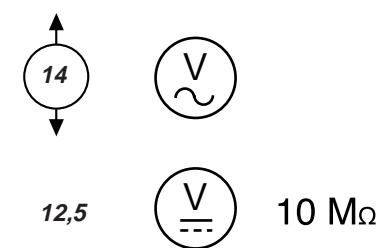
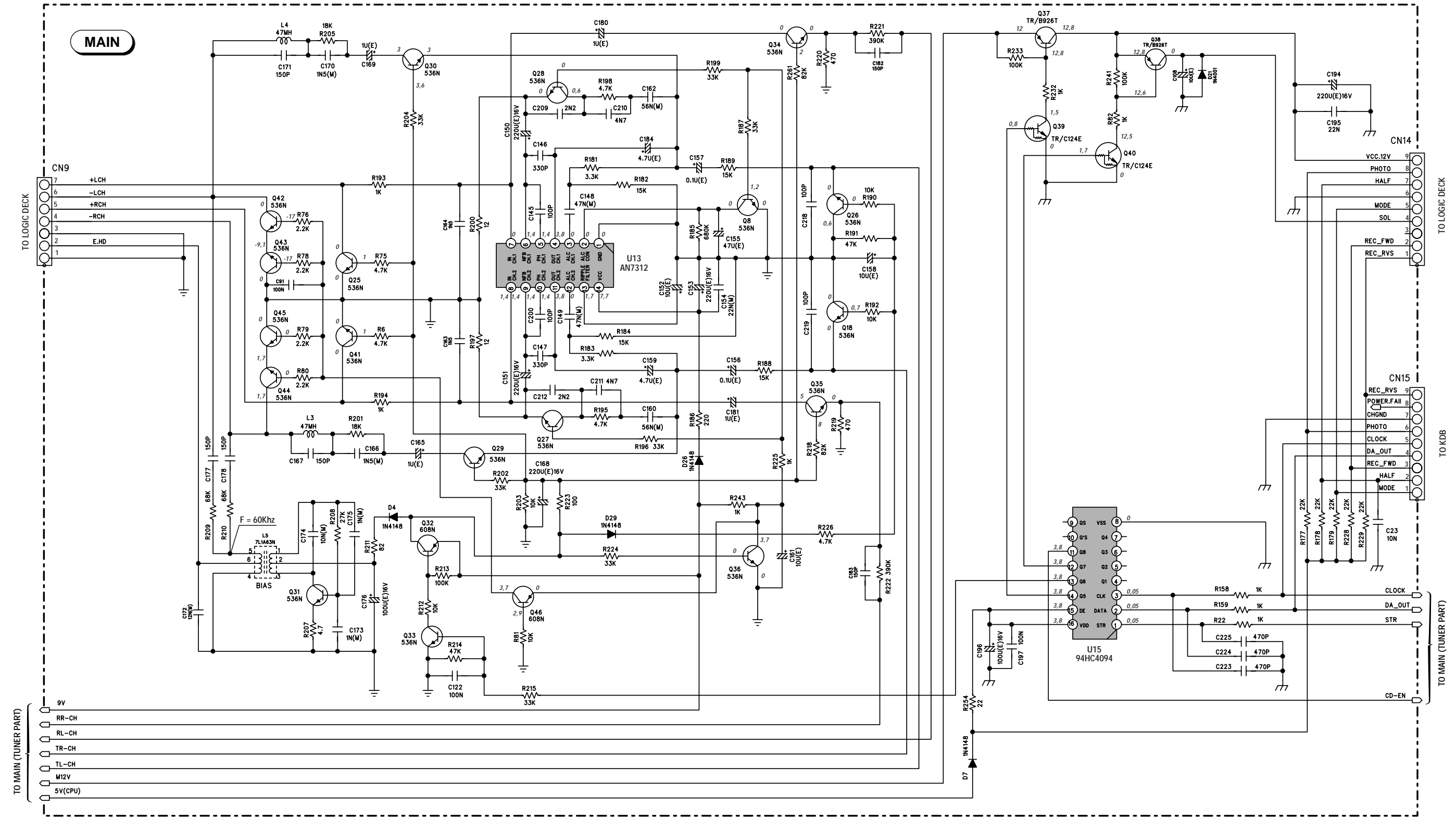




**MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (TUNER PART)**

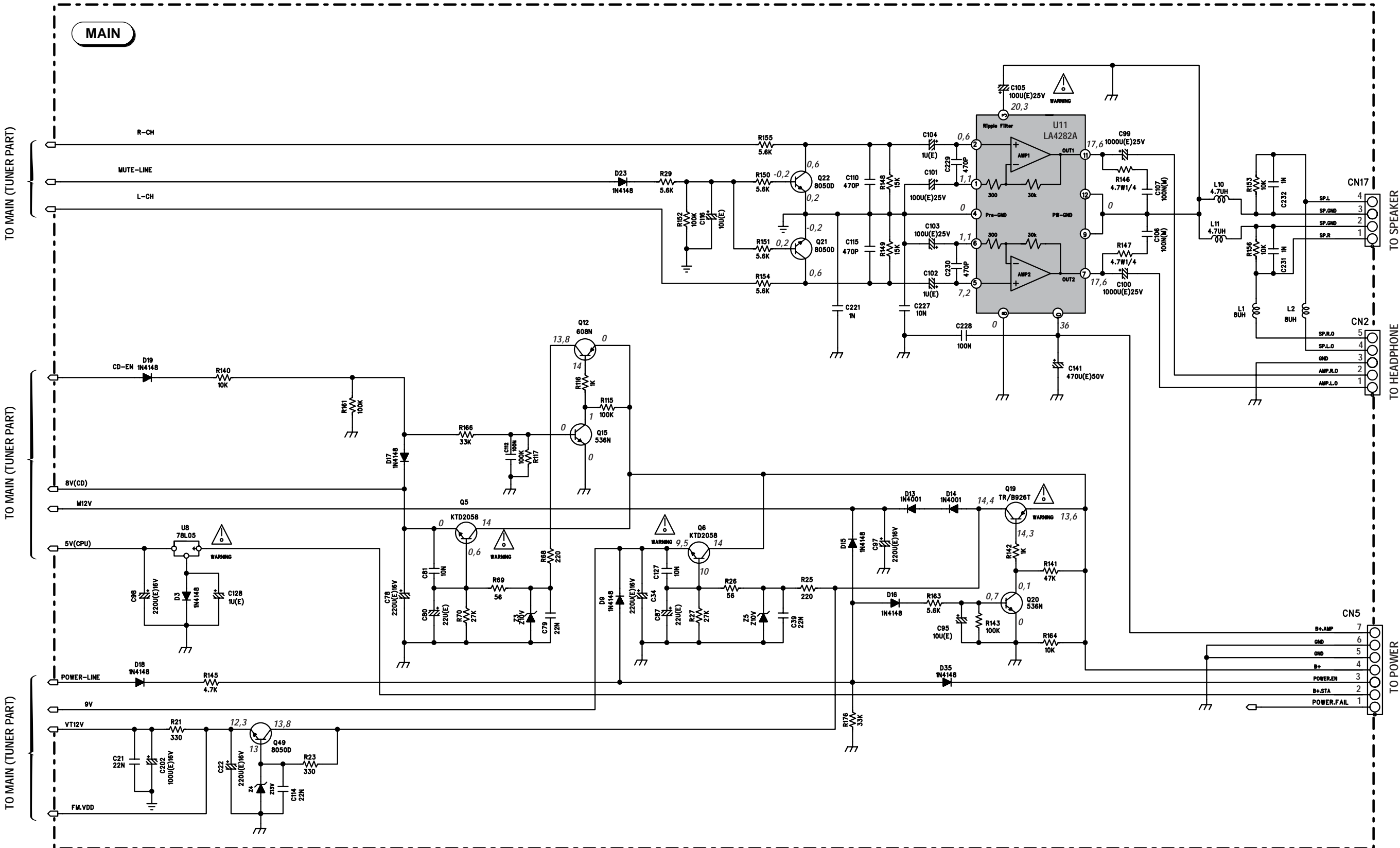


MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (TAPE PART)



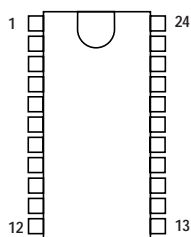
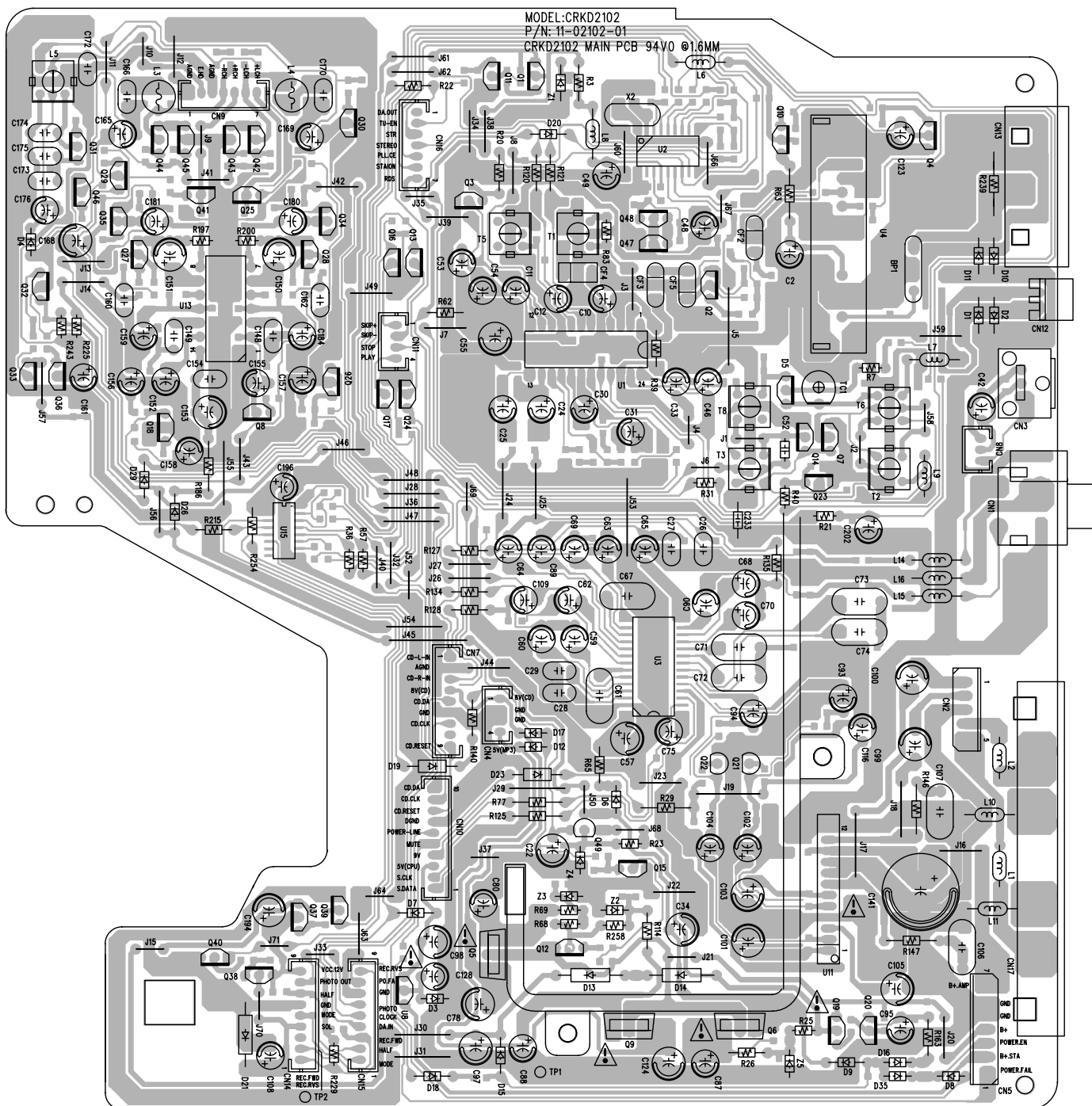
	↑			↓		
	E	B	C	E	B	C
Q31	0,1	5,6	0	0,1	-0,4	6
Q32	8,6	9,2	9,3	0	9,3	9,3
Q33	0	0	0,7	0	9,9	0

**MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE - ESQUEMA DE LA PLATINA PRINCIPAL (INPUT - OUTPUT PART)**

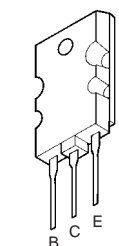


Main P.C.B.  
Platine principale  
Grundplatte  
Piastra principale  
Platina principal

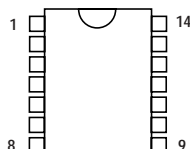
Component side  
Côté composants  
Bestückungsseite  
Lato componenti  
Lado componentes



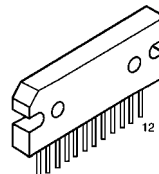
LA1844



KTD2058



AN7312



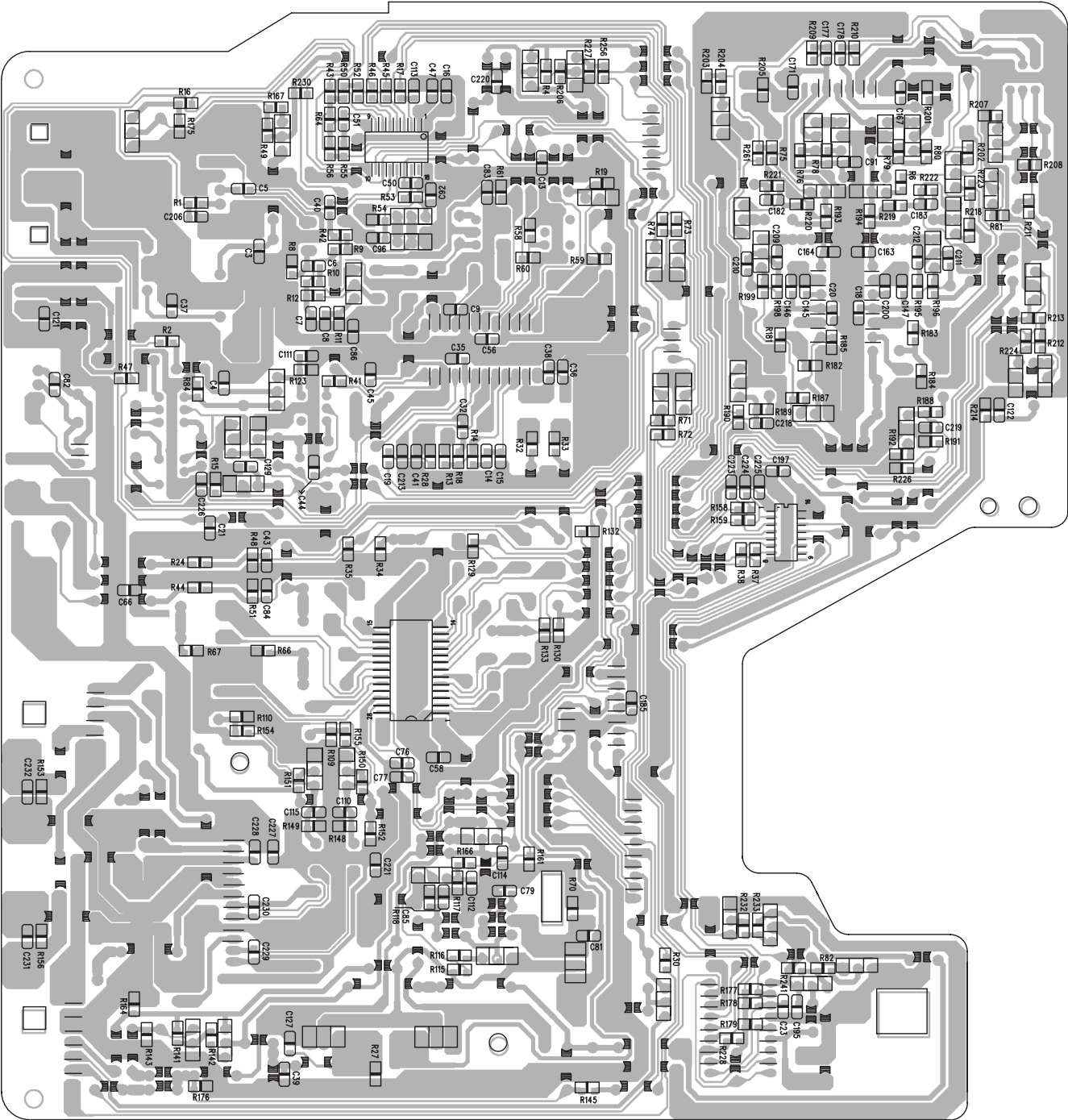
LA4282



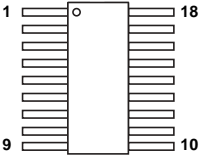
2SC536N  
2SA608N  
2SC2999D  
2SB926T



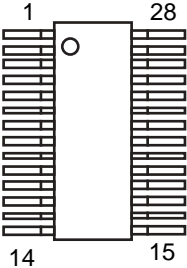
Solder side  
Côté soudure  
Lötseite  
Lato saldature  
Lado del cobre



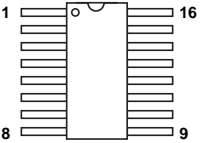
DTC343TS  
DTC124ES



BU2616F

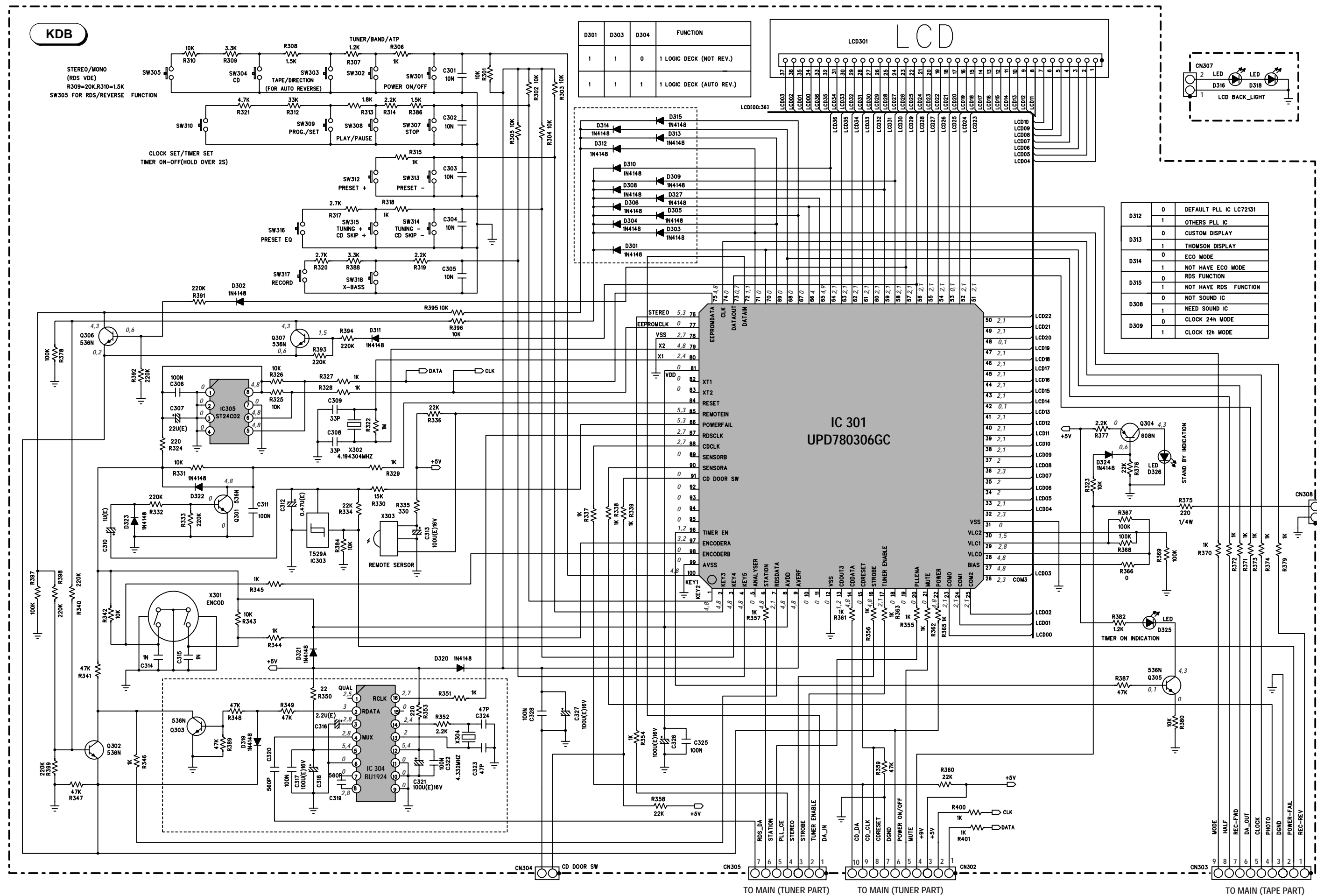


PT2314

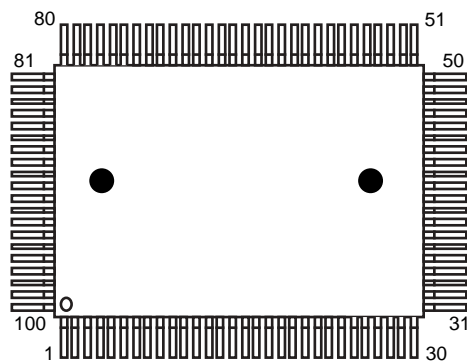
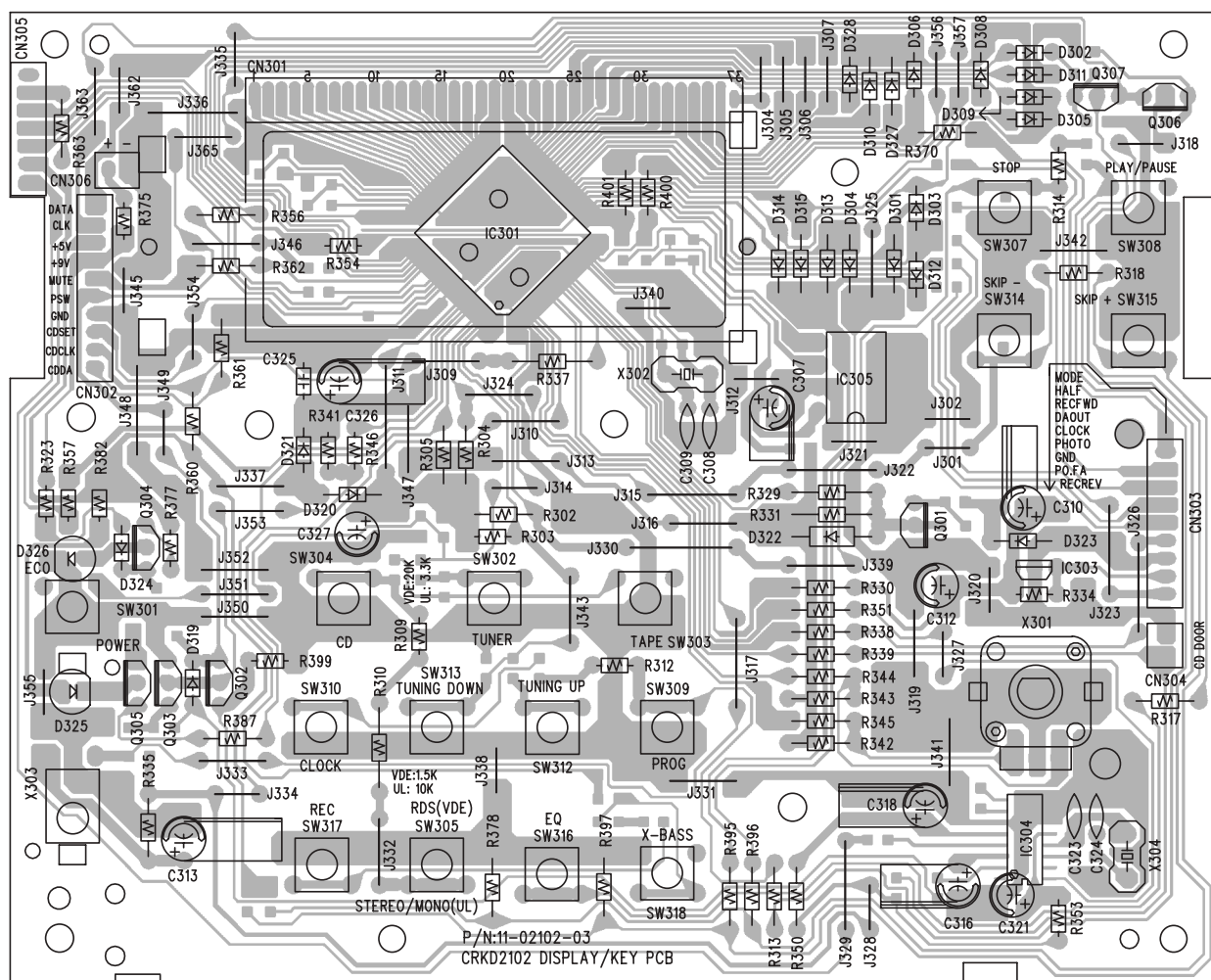


HC4094

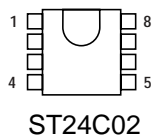




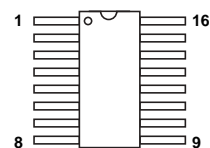
**Controls / display P.C.B.**  
**Platine commandes / afficheurs**  
**Ltpl. Bedienteil / Anzeige**  
**Piastra comandi / indicatore**  
**Platina de mandos / indicadores**



UPD780306GC



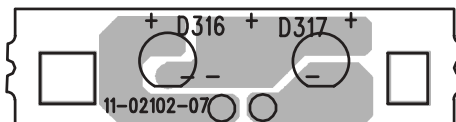
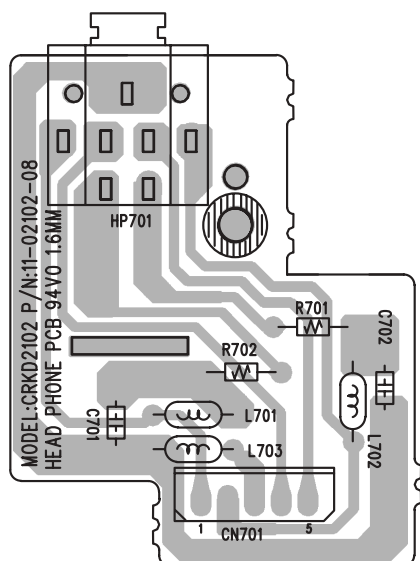
ST24C02



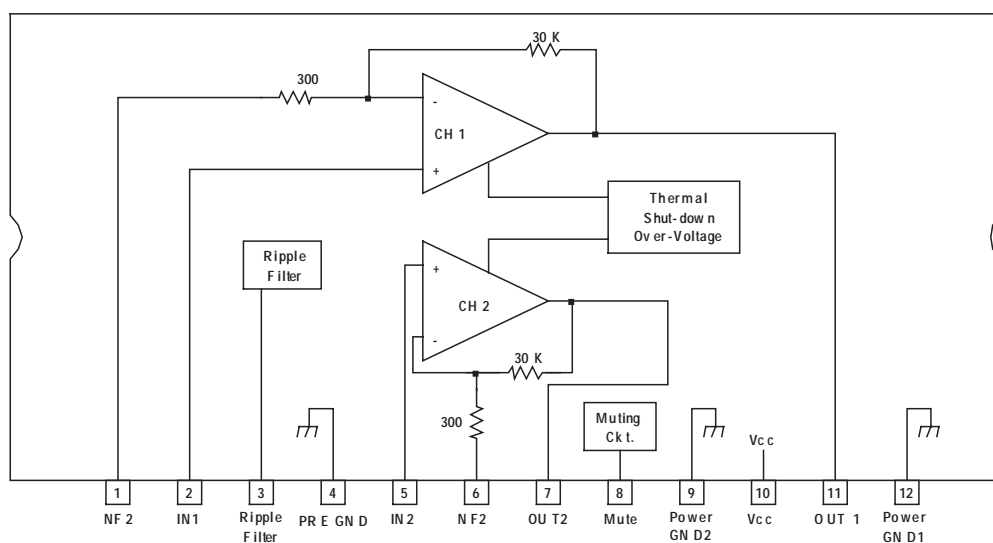
BU1924F

Headphone-jack P.C.B.  
Platine prise-casque  
Ltpl.Kopfhörerbuchse  
Piastra presa per cuffia  
Platina toma auriculares

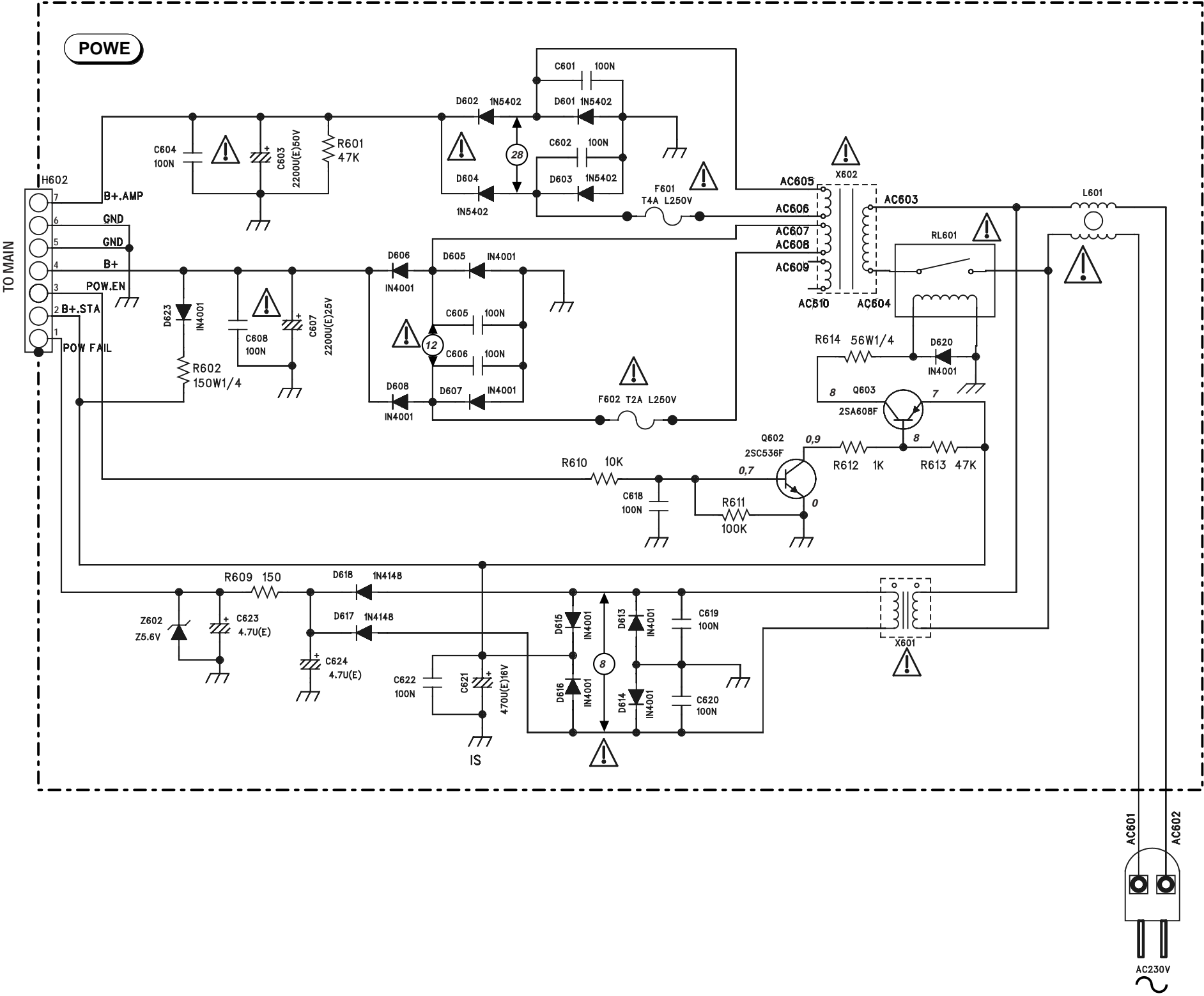
IR receiver P.C.B.  
Platine récepteur IR  
Ltpl. IR Empfänger  
Piastra ricevitor IR  
Platina receptor IR



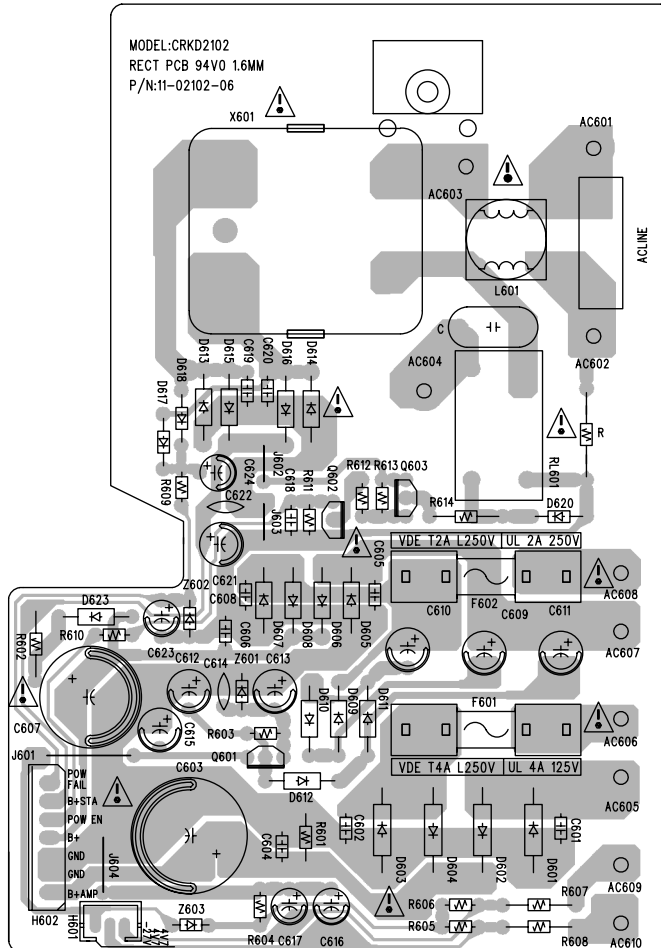
## U11 LA4282























POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL - SCHEMA DELL' ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACIÓN









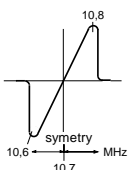






**Power unit P.C.B.**  
**Platine secteur**  
**Ltpl. Netzanschluss**  
**Piastra di rete**  
**Platina de red**



# ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONI - AJUSTES

AM alignment						
		  or TP	f		 	  
IF	1		450 kHz	450 kHz	T1	 Maximum output
MW	2		522 kHz	522 kHz	T8	 Vt V = 1,2V +/-0,1V
	3		1620 kHz	1620 kHz		 Vt V = 7,9 +/-0,5V
LW	4		150 kHz	150 kHz	T3	 Vt V = 2,4V +/-0,1V
	5		283 kHz	283 kHz		 Vt V = 7 +/-0,5V
MW	6	 	603 kHz	603 kHz	T6	 Maximum output
	7		1404 kHz	1404 kHz	TC1	
LW	8	 	164 kHz	164 kHz	T2	 Maximum output
	9		272 kHz	272 kHz		 Maximum output

FM alignment						
		  or TP	f		 	  
IF	1		10.7 MHz	10.7 MHz	T5	Max. 
FM	2		87.5 MHz	87.5 MHz		 Vt V = 1,6V +/-0,1V
	3		108 MHz	108 MHz		 Vt 7,3 < V < 8,2